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1. Tubing for the extracorporeal purification of the blood of a human being or a warm-blooded animal, comprising an open loop extracorporeal circulation conduit having two portions, one for extraction of the blood to be purified (1), the other for return of the purified blood (2), (adapted to be connected to purification means (6)), at least one conduit (29, 30, 31) to connect at least one of said portions (1, 2) to a source (16, 16') of a substitution solution, a bubble trap (7) located along said loop, an evacuation product (28) for product rejected into a recovery chamber (15) by said purification means, provided with a segment adapted to serve as a pump body adapted to be connected with a peristaltic pump and connection means (11) removably to connect to each other the respective ends (45, 46) of said open loop extracorporeal circulation tubing (1, 2) to form a closed loop, said evacuation conduit (28) for rejecting product comprising, downstream of said segment adapted to serve as a pump body, a blood detector (14), characterized in that a connection conduit (8) extends between the downstream end of said segment adapted to serve as a pump body and said bubble trap (7).

2. Tubing according to claim 1, characterized in that it moreover comprises a buffer reservoir (50) in the section of the circulation loop adapted to be located downstream of said purification means.

3. Tubing according to one of the preceding claims. characterized in that said connection conduit (8) comprises means (47) to control the flow rate through it.

4. Tubing according to one of the preceding claims. characterized in that each of said portions (1, 2) of said circulation element is connected to said source (16, 16') of substitution solution.

5 5. Tubing according to one of the preceding claims. characterized in that said conduit (29) for connecting at least one of said portions of said circulation conduit (1, 2) to said source of substitution solution, comprises a junction and switching means (32) alternatively to connect said portion to at least two chambers (16, 16') for said solution.

6. The use of tubing according to one of the preceding claims, said circulation conduit (1, 2) forming a closed loop, characterized in that the liquid is caused to circulate in

said closed circulation loop (1, 2) to evacuate air which it
5 contains, through said connection conduit (8).

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7. The use of the tubing according to claim 6
characterized in that the extraction pump for blood is
actuated when the blood return pump (17) is stopped and until
the pressure measured by the detector (42) reaches or exceeds
5 a predetermined threshold value.

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8. The use of the tubing according to claim 7,
characterized in that when the process of purification of the
blood is completed, the inlet end of said circulation conduit
is connected to a source of substitution liquid and this
5 liquid is caused to circulate to push back the blood contained
in this circulation conduit (1, 2) through the other end of
this open loop.

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9. The use of the tubing according to claim 7,
characterized in that the inlet end (45) and outlet end (46)
being directly connected to each other, this closed loop is
filled during a preparation or storage phase, by supplying
5 with a substitution or disinfecting fluid until a
predetermined mass of said solution has circulated through
said closed loop.

10. The use of the tubing according to claim 7,
characterized in that the pumps (5, 17, 18, 19) are controlled
until the tubing and the solution pocket (16, 16') contain no
more liquid.

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